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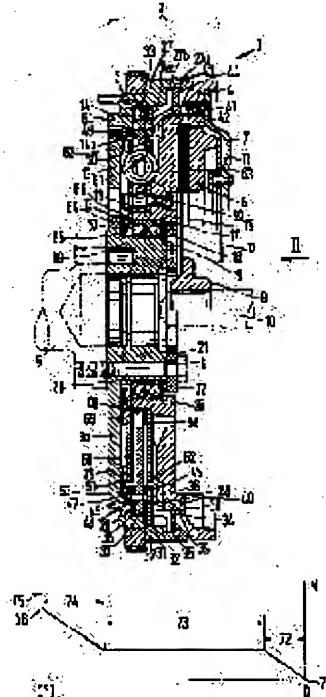
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(54) DEVICE HAVING BUFFER DEVICE LAID BETWEEN AT LEAST TWO FLYWHEEL MASS BODIES CAPABLE OF RELATIVELY TURNING FOR EACH OTHER

(57) Abstract:

PROBLEM TO BE SOLVED: To improve vibration damping capability by making the turning resistance of a buffer device variable for the number of revolutions or a centrifugal force, and installing a pressure accumulator effective in a peripheral direction and a pressure accumulator effective in an axial direction.

SOLUTION: The axis of abscissa relates to a turning angle across flywheel mass bodies 3 and 4, while the axis of ordinate shows the transmissible moment of an elastic torsional vibration damping device 13 and transmissible moment via a slide clutch 14 relates to the centrifugal force of a friction means 14a. The coil spring 63 of the damping device 13 is somewhat compressed, due to the relative turning motion of the flywheel mass bodies 3 and 4 from the non-acting position 71 thereof. Moment generated continues until becoming equal to the slide moment of a friction means 14b. Then, this friction means 14b slips to a turning angle 73, due to turning in the same direction. When the means 14b slips exceeding the angle 73, the spring 63 is further compressed, and a block is formed after the passage of the means 14b through a turning angle range 74. Furthermore, when moment exceeds a value transmissible via the friction means 14a, the flywheel mass bodies 3 and 4 become capable of giving a relative turning motion. As a result, the variation of the moment can be damped or eliminated.



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